

CLAIM OR CLAIMS

[0037] I claim,



- (1) A method of connecting components of a modular system by aligning holes formed in one or more rails with similar holes formed in pickets, balusters, and tabs, inserting a connecting bolt through the holes and fastening nuts to the bolts.
- (2) A plurality of pickets and balusters formed to have one or more flattened parts with a hole centered therein and optionally, one or more ornamental parts; the flattened part formed to fit between two flat rails to provide more secure attachment to the rails.
- (3) Said nuts in Claim 1 having a detachable head that when detached, leaves the remaining portion of the nut and connected bolt looking similar to a rivet.
- (4) A modular fence and gate comprising:
 - a. A plurality of posts arranged in parallel, said posts having one or more tabs disposed at predetermined elevations, said tabs which are formed with holes or slots to accommodate the attachment of the fence rail to the post in accordance with Claim 1;
 - b. A gate frame fabricated with one or more tabs disposed at predetermined elevations, said tabs which are formed with holes or slots to accommodate the attachment of the gate rail to the gate frame in accordance with Claim 1;
 - c. One or more flat rails formed to have a plurality of holes centered on the width of the rail and spaced at predetermined intervals along the length of the rail. Said rail may have an ornamental design on one or more sides.
 - d. A plurality of pickets arranged parallel to posts (4a), that when assembled, attach to or between said rails (4c) and are secured with bolts inserted through the holes in the rails and nuts attached to the bolts in accordance with Claim 1.
- (5) A modular railing comprising:
 - a. One or more upper, flat rail members formed to have a plurality of holes centered on the width of the rail and spaced at predetermined intervals along the length of the rail. Said rail may have an ornamental design on one or more sides. The rail member has a cap or handrail, connected perpendicular to the upper rail member(s).

- b. Optionally, one or more lower, flat rail members formed to have a plurality of holes centered on the width of the rail and spaced at predetermined intervals along the length of the rail and may have an ornamental design on one or more sides.
- c. A plurality of balusters arranged at an angle between 0 and 180 degrees relative to the upper rail (5a) and optional lower rail (5b) that when assembled, attach to or between said rails and are secured with bolts inserted through the holes in the rails and nuts attached to the bolts in accordance with Claim 1.
- d. The ends of the railings (5a and 5b) are anchored to a structure using posts or anchors which have a predetermined arrangement of tabs; said tabs which are formed with holes or slots to accommodate the attachment of the rail members to the post or anchor, secured with bolts inserted through the holes in the rails and nuts attached to the bolts in accordance with Claim 1.

(6) Modular security bars comprising:

- a. One or more upper, flat rail members formed to have a plurality of holes centered on the width of the rail and spaced at predetermined intervals along the length of the rail and may have an ornamental design on one or more sides.
- b. One or more lower, flat rail members formed to have a plurality of holes centered on the width of the rail and spaced at predetermined intervals along the length of the rail and may have an ornamental design on one or more sides.
- c. A plurality of pickets attached to or between said rails, secured with bolts inserted through the holes in the rails and nuts attached to the bolts in accordance with Claim 1.
- d. The ends of the railings are anchored to a structure using anchors that have a predetermined arrangement of tabs; said tabs which are formed with holes or slots to accommodate the attachment of the rail members to the anchor. The rails are secured to the anchors with bolts inserted through the holes in the rails and anchors; and nuts attached to the bolts in accordance with Claim 1.